

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

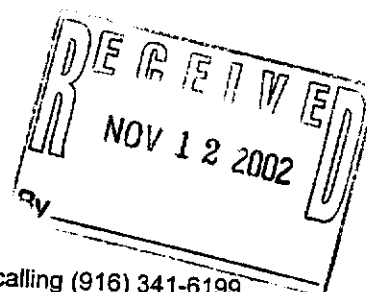
Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☒ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

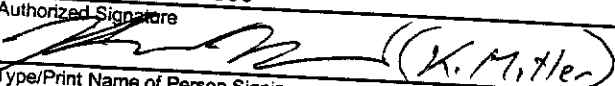


The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name City of Napa - RY 1999		County Napa	
Authorized Signature 		Title Waste Reduction/Recycling Coordinator	
Type/Print Name of Person Signing Kevin Miller		Date 8-Nov-02	Phone () Include Area Code (707) 2579520x7291
Person Completing This Form (please print or type) Kevin Miller		Title Waste Reduction/Recycling Coordinator	
Affiliation:	Same Person - City of Napa Employee		
Mailing Address			
City of Napa Public Works Dept., P.O. Box 660		City Napa	State CA
E-Mail Address kmiller@cityofnapa.org		ZIP Code 94559-0660	

Section II: Information for New Generation-Based Study for Existing or New Base Year			
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").			
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>			
1. Current Board-approved existing base year:		2. Proposed new generation-based study year:	
1990		1999	
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:			
<p>Since 1996, the City of Napa has chosen to quantify both disposal and diversion progress with real world records. We feel that this method gives us a much more accurate picture of our true diversion rate. Many factors have changed dramatically in Napa since 1990 including increased tip fees (\$54 per ton in 1999 vs. \$20.10 per ton in 1990) and the use of scales at disposal sites (scales at Devlin Road Transfer Station in 1999 instead of volume estimates at American Canyon Sanitary Landfill in 1990).</p>			
4. Enter diversion rate information below.			
Diversion rate calculated using existing base year		Diversion rate calculated using new generation-based study	
a. 32 %		b. 54 %	
For existing base year pounds/person/day based on generation		For new generation based study pounds/person/day based on generation	
6.29		10.38	
Residential generation 50 %	Non-Residential generation 50 %	Residential generation 50% %	Non-Residential generation 50% %
Population existing generation-based study 61865		Population new generation-based study 69300	
5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).			
<p>The City of Napa believes that the original generation study drastically underestimated independent recycling efforts (such as grocery store chain recycling, drop-off centers, builders, etc.). The Board's formula and calculation method may not accurately represent waste generation in slow-growth communities such as the City of Napa. It is based on a generation study that was not even for the Napa community specifically but was taken from a study of the City of Glendale's waste stream. Conversely, the current method employed by the City of Napa uses real tons measured by real scales in the Napa community. The City did initiate one important additional diversion program, which was the mixed Construction & Demolition Debris (Roofers) program at the Napa Garbage Service MRF site.</p>			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)			
<p>As a point of reference, the disparity between the quantified diversion and the CIWMB calculation method has been consistently large. In RY 1996, the board calculation method placed the City of Napa at a diversion rate of 16% while actual quantification of diversion resulted in a board-approved 31% diversion rate - a 15% disparity. This trend continued to grow in RY 1997 & RY 1998 which had a disparity of 18% (22% vs. 40%) and 28% (26% vs. 54%) respectively. RY 1996, RY 1997, & RY 1998 were all accepted by the Board and used the same methodology and quantification system. The disparity for RY 1999 was 23% (32% vs. 55%). As previously mentioned, the large differences in disposal tipping fees (\$20.10/ton in 1990 vs. \$60.27/ton in \$54/ton in 1999) and change from volume estimates to actual scale weights had large impacts on how waste is being handled and quantified. In terms of real tons of recycling, growth has been steady and sustained (note - tons of quantified diversion by reporting year): 1995: 16,153 tons, 1996: 26,460 tons, 1997: 40,451 tons, 1998: 69,169 tons, 1999: 72,640 tons.</p>			

7. Disposal Tonnage (enter values):	29265	29265	68529
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Parts/Codes/Reduce.htm					
	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	510	0.4%	Yardwaste Prevention Program (home composting)	850 lbs/household/bin- T. O'Shaughnessy (CIWMB)	City Records - Participant Survey (see p. A-7 of report)
Grasscycling	0	0.0%			
Other Residential Source Reduction (list each program separately)					
Food Bank Donation (& Reuse)	450	0.4%	Napa Food Bank (canned foods, dried foods, etc.)	Napa Food Bank Records	Actual Weight - Letter on File - City Audit # 11
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	960	0.8%			
Residential Recycling Activities					
Curbside Recycling	5177	4.1%	ONP, OCC, glass, mixed paper, HDPE, PET, tin cans, aluminum cans, HDPE colored plastic	Actual Tonnage Records - Residential Curbside Recycling (NGS only)	NGS Records (GA & FA - City Audit #1, p. A-3 of report)
Buyback Centers	1384	1.1%	CRV material - Used Beverage Containers	Actual Tonnage Records - Private Napa City CRV Buyback Center	Company Records (City Audit # 5, p. A-8 of report)
Drop-off Centers	0	0.0%	DRTS - Drop-Off Center - located in Napa County Uni.	Actual Tonnage Records - Private Recycler	N.A. for the City of Napa / all tonnages credited to Napa County unincorporated

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.ciwm.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Wood waste collection (NGS)	0	0.0%	wood waste only - biomass fuel to Ultrapower	Actual Tonnage Records - MRF Composting & Recycling Facility - Wood Waste only (1585 tons =50% of total)	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
NGS Collection (Inerts)	2183	1.7%	dirt and concrete	Actual Tonnage Records - MRF Composting & Recycling Facility	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	8744	6.9%			
Residential Composting Activities					
Green Waste Drop-off	2685	2.1%	Yardwaste	Actual Tonnage Records - MRF Composting Facility - "Buy-In" Drop-off only	Company Records (GA & FA - City Audit # 3, p. A-3 of report)
Curbside Green Waste	7119	5.6%	Yardwaste	Actual Tonnage Records - MRF Composting Facility - Curbside Service	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
Christmas Tree Program				Actual Tonnage Records - MRF Composting Facility	N.A. - not claimed as separate tonnage figure
Other Residential Composting (list each program separately)					
	0	0.0%			
	0	0.0%			
	0	0.0%			
Enter program name					
Enter program name					
Subtotal, Residential Composting	8804	7.7%			
Subtotal, Residential Diversion	19508	15.3%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Grasscycling	965	0.8%	Municipal Golf Course Grasscycling (127 mobile acres)	7.6 tons/acre/year - CIWMB Generation Guide	Interview with Course Manager (Ray Layland) on 9/27/02; City Audit # 7
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	965	0.8%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.clwmb.ca.gov/L_GCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	28684	22.6%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Collection (NGS)	5448	4.3%	ONP, OCC, glass, mixed paper, HDPE, PET, tin cans, steel, toilets, aluminum cans	Actual Tonnage Records - Commerical Recycling Service (NGS only)	NGS Records (GA & FA - City Audit # 1, p. A-3 of report)
Commercial Collection (NGS) - Biomass Wood Waste only	0	0.0%	wood waste only - biomass fuel to Ultrapower	Actual Tonnage Records - MRF Composting & Recycling Facility - Wood Waste only (1586 tons =50% of total)	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
NGS Collection & MRF Drop-off (Inerts)	2184	1.7%	dirt and concrete	Actual Tonnage Records - Commerical Recycling Service (NGS only) MRF Composting & Recycling Facility	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
Toilet Retrofit (City of Napa Program)	95	0.1%	porcelain toilets - City of Napa program	Actual Tonnage Records - City of Napa program	City Records - (City Audit # 16, p. A-8 of report).
Buy-In Recycling	1223	1.0%	ONP+OCC	Actual Tonnage Records - Private Recycler (Buy-In - Actual Customer Tonnage)	Company Records (GA & FA - City Audit # 3, p. A-3 of report)
Subtotal Non-Residential Recycling	37634	29.6%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Green Waste Drop-Off	2685	2.1%	Yardwaste (Landscapers, etc.)	Actual Tonnage Records - MRF Composting Facility	Company Records (GA & FA - City Audit # 3)
Commercial Greenwaste Program	7119	5.6%	Yardwaste & Produce Trimmings	Actual Tonnage Records - MRF Composting Facility	NGS Records (GA & FA - City Audit # 1, p. A-3 of report).
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	9804	7.7%			
Subtotal Non-Residential Diversion	48403	38.0%			
Residential/Non-Residential Diversion Activities					
ADC	0	0.0%	Greenwaste - Not Claimed	N.A.	DRS
Sludge	0	0.0%	sludge as ADC - Not Claimed	N.A.	DRS
Scrap Metal					
Construction and Demolition	871	0.7%	metal, OCC, concrete, dirt, yardwaste	Actual Tonnage Records - Mixed Waste Recycling program for Roofer - C & D Debris at MRF	Company Records (DRTSRYA - City Audit #6, p. A-6 thru A-7 of report).
Landfill Salvage	0	0.0%	wood waste only - biomass fuel to Ultrapower	Actual Tonnage Records - Mixed Waste Recycling program for Roofer - C & D Debris at MRF (Actual biomass tonnage would have been 870 tons for 1999 for this program).	Company Records (DRTSRYA - City Audit #6, p. A-5 thru A-7 of report).
Subtotal Residential/Non-Residential Diversion	871	0.7%			
Total Res/Non-Res Source Reduction Tons	1925	1.5%			
Total Diversion Tons	58782	54.0%			
Total Disposal Tons from Sec.7	58526	46.0%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmf.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Total Generation Tons (Div+Dis)	127311				
Diversion Rate	64%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Road Base Manufacturer	Record # 2	Concrete & Asphalt		22560		22560	17.7%	
Pharmaceutical Co.	Record # 4	LDPE plastic bottle waste & trim		3727		3727	2.9%	
Grocery Store Chain	Record # 8	Material Processed/Recycled through central distribution - Bakery Waste, Bone/Fat, Chop Pallets, Computer Paper/White Ledger, Grease/Oil, Milk Jugs, ONP, OCC, Pallets, Phone Books, Plastic Pallets, Produce Trim, Stretch Film, T-shirt Bags, and Waxed OCC		634		634	0.5%	
Other Grocery Stores	Records # 9, 12, & 13	OCC and Stretch Film Plastic		1081		1081	0.8%	
Other Retail Stores	Records # 14, 17, & 18	OCC		357		357	0.3%	
Paper Converter	Record # 243	OCC		243		243	0.2%	
				1		1	0.0%	
				1		1	0.0%	
				1		1	0.0%	
				1		1	0.0%	
Totals				28606		28606	22.5%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

All methodologies are based on weights or weights estimates. Actual store weight information for some grocery stores chains and retail stores chain was not available in every instance (see records #9, 12, 13, 14, 17, & 18). In these instances, the City used number of bales times average weight per bale (as provided by the individual generator).

Detail for other major generators are based on actual weights and/or allocation methods as described in pp. A-1 thru A-8 of annual report explanations and details. All raw records are available for review at the City of Napa Public Works Department offices.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept."

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids ▼	NGS Collection (Toilets, Dirt, and Concrete)	1995	4496
Inert Solids ▼	City and NGS Demolition Debris Pilot (Dirt and Concrete only)	1999	544
Scrap Metal ▼	City and NGS Demolition Debris Pilot (Steel Only)	1999	171
Scrap Metal ▼	NGS Collection (Steel)	1999	142
Inert Solids ▼	City Toilet retrofit (City Audit # 16)	1997	95
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note** : this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Inert Solids ▼	Road (Countywide totals, see gen study)	29791	7231	22560*
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Audit	Individual Generator Name	Total Tons Recycled	PLASTIC						
#	Audit Name/Identifier	All Materials	LDPE Plastic	t-shirt bags	stretch film	plastic pallets	milk jugs	OCC	Wax OCC
2	Syar Industries	22,560							
4	Dey L.P. (pharmaceutical co.)	3,727	3543						
8	Raley's (#319) & Nob Hill (#623)	634		0.574	5.519	3.011	0.351	420.84	20.53
9	Safeway (Store # 732 & # 913)	400						400	
12	Ralphs (Store #950)	383						383	
13	Albertson's (Store # 7231 & 7270)	298			1.905			134.73	
14	Target	259						258.7	
15	Marco Paper Products	243						20.15	
17	Longs Drugs (Stores # 214 & # 357)	68						67.5	
18	Ross	30						30	
	TOTALS	28,600	3,543	1	7	3	0	1,715	21

PLASTIC	3,554
PAPER	2,144
ORGANICS	255
INERTS	22,560
WOOD	87
TOTALS	28,600

PAPER					ORGANICS					Inerts	Wood	
paper	ONP	phone books	manila trim	end rolls	food waste or donation	bakery waste	bone/fat	grease/oil	produce trim	concrete & asphalt	chep pallets	pallets
184										22560		
1.165	0.057	0.754				0.624	26.623	4.693	62.395		83.018	3.5
					0.869		160.01					
103.74			76.87	41.75								
289	0	1	77	42	1	1	187	5	62	22,560	83	4